



Designation: D 5330/D 5330M – 01

Standard Specification for Pressure-Sensitive Tape for Packaging, Filament- Reinforced^{1,2}

This standard is issued under the fixed designation D 5330/D 5330M; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This specification covers filament-reinforced, pressure-sensitive adhesive tape.

1.2 The values stated in either inch-pound or SI units are to be regarded separately as standard. The values stated in each system may not be exact equivalents; therefore each system must be used independently of the other, without combining values in any way.

1.3 The following precautionary caveat pertains only to the test methods portion, Section 14, of this specification: *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

- D 996 Terminology of Packaging and Distribution Environments³
- D 1974 Practice for Methods of Closing, Sealing, and Reinforcing Fiberboard Boxes³
- D 3330/D 3330M Test Method for Peel Adhesion of Pressure-Sensitive Tape³
- D 3611 Practice for Accelerated Aging of Pressure-Sensitive Tapes³
- D 3652/D 3652M Test Method for Thickness of Pressure-Sensitive and Gummed Tapes³
- D 3654/D 3654M Test Methods for Shear Adhesion of Pressure-Sensitive Tapes³
- D 3715/D 3715M Practice for Quality Assurance of Pressure-Sensitive Tapes³
- D 3759/D 3759M Test Method for Tensile Strength and Elongation of Pressure-Sensitive Tapes³
- D 3815/D 3815M Practice for Accelerated Weathering of

Pressure-Sensitive Tapes by Carbon-Arc Exposure Apparatus³

D 3889/D 3889M Test Method for Adherence to Linerboard of Pressure-Sensitive Tape at Low Temperature³

D 3951 Practice for Commercial Packaging³

D 4332 Practice for Conditioning Containers, Packages, or Packaging Components for Testing³

D 4727/D 4727M Specification for Corrugated and Solid Fiberboard Sheet Stock (Container Grade) and Cut Shapes³

2.2 Federal Specifications:

PPP-T-97 Tape, Packaging/Industrial, Filament Reinforced⁴

PPP-T-680 Tape, Pressure-Sensitive Adhesive: Packaging and Packing of⁴

2.3 ISO Standard:

ISO 9002 Quality Systems Model for Quality Assurance in Production and Installation⁵

3. Terminology

3.1 *Definitions*—General definitions for packaging and distribution environments are found in Terminology D 996.

4. Classification

4.1 Types:

- 4.1.1 *Type I*—Cut-resistant (polyester-reinforced).
- 4.1.2 *Type II*—Medium-tensile strength.
- 4.1.3 *Type III*—High-tensile strength.
- 4.1.4 *Type IV*—High-tensile strength, weather-resistant.

5. Ordering Information

5.1 The inquiry or order shall include the following:

5.1.1 Type required (see 4.1);

5.1.2 Roll width and length; unless otherwise specified, direct substitution of SI or inch-pound shall be allowed (see 8.1);

5.1.3 Level of packaging, packing, and marking if other than commercial (see Section 18);

5.1.4 If certification is required (see Section 17); and

¹ This specification is under the jurisdiction of ASTM Committee D10 on Packaging and is the direct responsibility of Subcommittee D10.14 on Tape and Labels.

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² This specification is intended to replace Federal Specification PPP-T-97. Types are the same in both specifications.

³ *Annual Book of ASTM Standards*, Vol 15.09.

⁴ Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5098, Attn: NPODS.

⁵ Available from American National Standards Institute, 25 W. 43rd St., 4th Floor, New York, NY 10036.